

Smart Skies			
2007 Mathematics			
Learning Results: Parameters for Essential Instruction			
Maine Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	ME	MA.5.B.2	Students read, construct, and interpret line graphs.
Fly by Math	ME	MA.5.C.4.a	Locate points on the Cartesian plane.
Line Up with Math	ME	MA.5.B.1.b	Solve and justify problems with these measures.
Line Up with Math	ME	MA.5.C.4.a	Locate points on the Cartesian plane.
Line Up with Math	ME	MA.5.C.4.b	Determine horizontal and vertical distance on the coordinate plane.
Smart Skies			
2007 Mathematics			
Learning Results: Parameters for Essential Instruction			
Maine Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Line Up with Math	ME	MA.6.D.2.b	Recognize from a table whether a relationship has a constant rate of change.
Smart Skies			
2007 Mathematics			
Learning Results: Parameters for Essential Instruction			
Maine Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Fly by Math	ME	MA.7.B.1.a	Create tables, pictograms, bar graphs, line graphs, pie charts, stem and leaf plots, box and whiskers plots, and histograms using pencil and paper and electronic technologies.
Fly by Math	ME	MA.7.B.1.b	Draw conclusions based on graphs and charts including tables, pictograms, bar graphs, line graphs, pie charts, stem and leaf plots, box and whiskers plots, and histograms.
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2007 Mathematics			
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Maine Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Fly by Math	ME	MA.8.B.1.a	Calculate measures using multiple attributes including speed (distance per time).
Fly by Math	ME	MA.8.B.1.b	Solve for an unknown component of a measure including finding time given average speed and distance.

Fly by Math	ME	MA.8.D.4.b	Understand that the graph of a linear relationship $y = kx + b$ is a line where the slope is k and b is the y -coordinate of the point where the graph crosses the y -axis (i.e., value of y when $x = 0$).
Line Up with Math	ME	MA.8.B.1.a	Calculate measures using multiple attributes including speed (distance per time).
Line Up with Math	ME	MA.8.B.1.b	Solve for an unknown component of a measure including finding time given average speed and distance.
Line Up with Math	ME	MA.8.D.4.a	Understand that linear relationships are characterized by a constant rate of change, k .
Line Up with Math	ME	MA.8.D.4.b	Understand that the graph of a linear relationship $y = kx + b$ is a line where the slope is k and b is the y -coordinate of the point where the graph crosses the y -axis (i.e., value of y when $x = 0$).
Smart Skies			
2007 Mathematics			
Learning Results: Parameters for Essential Instruction			
Maine Mathematics			
Grades 9-12			
Activity/Lesson	State	Standards	
Fly by Math	ME	MA.9-12.B.2.b	Create and interpret scatter plots and estimate correlation and lines of best fit.
Fly by Math	ME	MA.9-12.D.2.e	Apply the understanding that the solution(s) to equations of the form $f(x) = g(x)$ are the x -value(s) of the point(s) of intersection of the graphs of $f(x)$ and $g(x)$ and common outputs in table of values.
Line Up with Math	ME	MA.9-12.D.2.e	Apply the understanding that the solution(s) to equations of the form $f(x) = g(x)$ are the x -value(s) of the point(s) of intersection of the graphs of $f(x)$ and $g(x)$ and common outputs in table of values.
Line Up with Math	ME	MA.9-12.D.2.f	Explain why the coordinates of the point of intersection of the lines represented by a system of equations is its solution and apply this understanding to solving problems.